

-8-

**REMARKS**

This amendment is responsive to the Office Action of December 24, 2003. Reconsideration and allowance of claims 1-20 are requested.

As suggested in the second paragraph of page 6 of the Office Action, the applicants have changed "object(s)" to "patient(s)" in about half of the claims sets. With this amendment, the applicants understand that the claims sets which have been so amended are agreed to distinguish patentably over the applied reference, Hug, and meet the requirements of 35 U.S.C. § 112.

However, it is submitted that the examined objects might be something other than living human patients without affecting the hardware or its operation. It is submitted that other separate and independent objects or other separate and discrete objects, or other separate and displaced objects could be imaged.

Moreover, it is submitted that the claims are not indefinite even if first and second detector heads are examining two different organs of a common patient. For example, one detector could be imaging the patient's head and another could be imaging the patient's knee. Such imaging processes could be as independent of each other as it would be when the first detector is acquiring data from the head of the first patient and the second detector is acquiring data from the knee of a second patient.

Accordingly, it is submitted that all claims meet the requirements of 35 U.S.C. § 112 and distinguish patentably over the references of record.

**Request for Telephone Interview**

If the Examiner is not convinced that this amendment places the application fully in condition for allowance, it is requested that she telephone Thomas Kocovsky at (216) 861-5582 to discuss any necessary additional amendments and to receive authorization for the preparation of an appropriate Examiner's Amendment, if applicable.

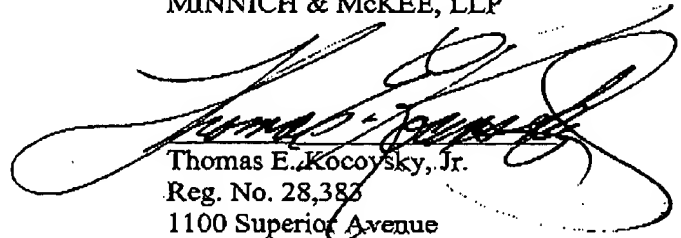
-9-

**CONCLUSION**

For the reasons set forth above, it is submitted that claims 1-20 (all claims) distinguish patentably over the references of record and comply with all statutory requirements. An early allowance of all claims is requested.

Respectfully submitted,

FAY, SHARPE, FAGAN,  
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A large, stylized handwritten signature in black ink, likely belonging to Thomas E. Kocovsky, Jr., is written over the printed name and address.

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